ISYGLT®

RS232-GW-03 Gateway

General
The RS232-GW03 module will be delivered with the interface protocols to link up to defined systems. In the case of need (custumors order), this will be realised and is (complete tested and documented) available for further uses.

Function displays
- 1 yellow LED indicates by shining permanently the operating voltage. By flashing the communication with the master via subnet
- 1 red LED indicates the transmission of datas
- 1 red LED signalise the receipt of datas

Connections
- 1 connections (RJ45) for the operation voltage (Ub, 0V) and the subnet (BUS a and B, RS485)
- 1 connection SUB-D bush 9pole (RS232) potenial free to the ISYGLT BUS

Design
- Light grey plastic casing, with fastening clip
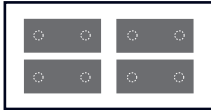
Special function DIP switch 1
- reserve
  - switch must be on position OFF

Technical data

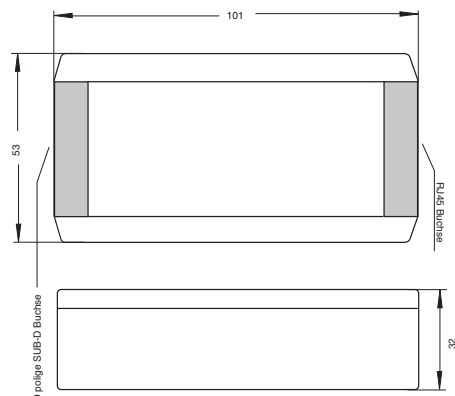| Type	RS232-GW-03
Art. Nr.	80087022
Operating voltage	12V to 35V DC or 12V to 27V AC
Current consumption	24V DC 30mA
Interface 1	RS-485 for ISYGLT-BUS to communicate with modules
Interface 2	RS-232 interface for the connection of PC / device
Connections	RJ45 and SUB-D bush 9pole
Dimensions	LxBxT 102x54x30
Weight	85g
Operating temperature	-10...+50 °C
Storage temperature	-25...+70 °C
Humidity	0...85 % r.F. non condensing
Protection grade	IP 30
ESD immunity	Category 3 according to IEC-1000-4-2 (4 kV static)
EMV immunity	Use in typical industrial enviroment. Category 3 according to IEC-1000-4-4 (Test was carried out within a whole system)
CE sign	yes

Terminal assignment

PIN	RJ485
1	≅ Ub operating voltage
2	0V operating voltage
3	free
4	free
5	free
6	free
7	Subnet (BUS A, RS-485)
8	Subnet (BUS B, RS-485)

PIN	SUB-D bush 9pole	SUB-D bush 9pole
	Jumper position for connection to PC	Jumper position for connection to external device
1	free	free
2	Output TxD	Input RxD
3	Input RxD	Output TxD
4	Input DSR	Output DTR
5	GND (RS-232) masse potential free to the ISYGLT BUS	GND (RS-232) masse potential free to the ISYGLT BUS
6	Output DTR	Input DSR
7	free	free
8	free	free
9	free	free

Note: galvanic separation in module and jumper setting only from version 2.0 up.

View

Wiring diagram

+24V
0V=
BUS-A
BUS-B

Ub	0V	BUS A1	BUS B1

1	2	3	4	5	6	7	8
Ub	0V		RJ45			BUS A1	BUS B2

address
1 2 3 4 5 6 7 8

ISYGLT-RS232-GW-03

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GND	RXD	TXD	DTR

GND PIN5	RXD PIN2	TXD PIN3	DTR PIN4

9-pin SUB-D
socket

GND (Pin5)
RXD (PIN2)
TXD (PIN3)
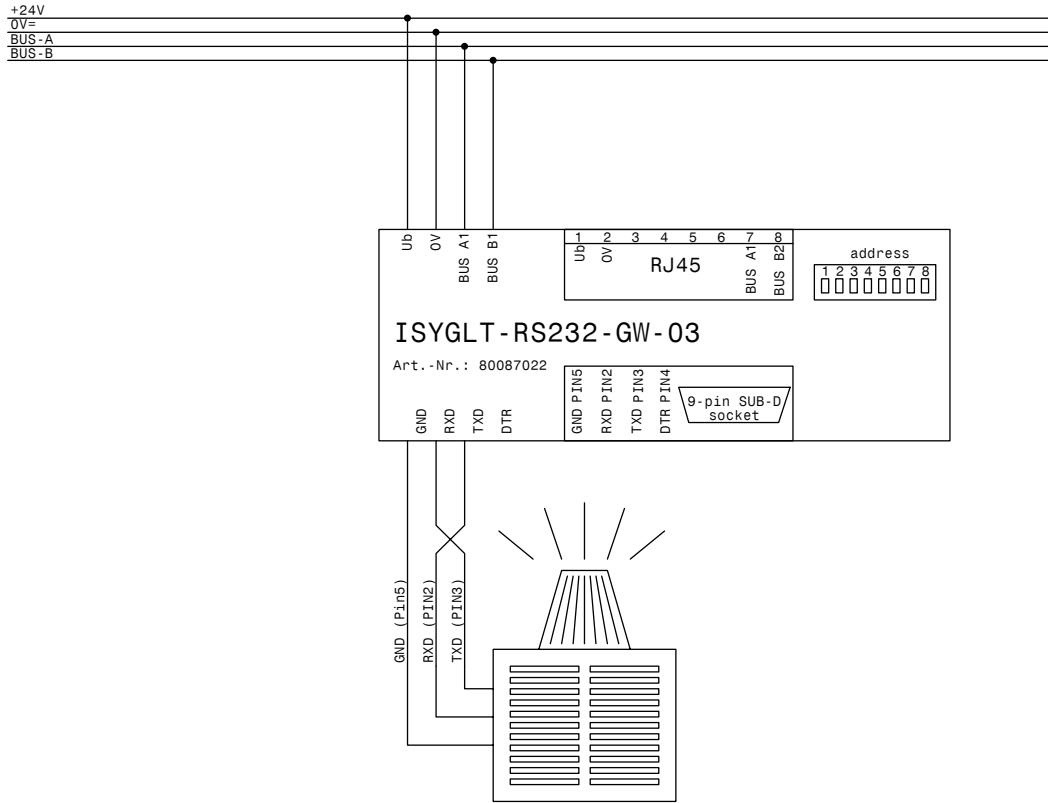
special minutes
burglary reporting main office